

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/502,085B  
Source: PJ  
Date Processed by STIC: 4/19/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 04/19/2006

PATENT APPLICATION: US/10/502,085B

TIME: 12:39:41

Input Set : A:\updated sequence listing.txt

Output Set: N:\CRF4\04192006\J502085B.raw

3 <110> APPLICANT: BIOMIRA INC. et al.  
 5 <120> TITLE OF INVENTION: IMMUNOSTIMULATORY, COVALENTLY LIPIDATED OIGONUCLEOTIDES  
 7 <130> FILE REFERENCE: JIANG=4A PCT  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/502,085B  
 C--> 10 <141> CURRENT FILING DATE: 2004-07-22  
 12 <150> PRIOR APPLICATION NUMBER: 60/353,195  
 13 <151> PRIOR FILING DATE: 2002-02-04  
 15 <160> NUMBER OF SEQ ID NOS: 12  
 17 <170> SOFTWARE: PatentIn version 3.3  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 10  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Synthesizable sequence, corresponds to 128H described in  
 Cheng et al.  
 26 USP 5,646,126  
 28 <400> SEQUENCE: 1  
 29 cacacgtgtg 10  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 25  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Synthesized peptide shown in Fig. 17 BP1-148  
 40 <400> SEQUENCE: 2  
 42 Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg  
 43 1 5 10 15  
 46 Pro Ala Pro Gly Ser Thr Ala Pro Pro  
 47 20 25  
 50 <210> SEQ ID NO: 3  
 51 <211> LENGTH: 20  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Artificial Sequence  
 55 <220> FEATURE:  
 56 <223> OTHER INFORMATION: Synthesizable activating sequence, shown in Fig. 1  
 58 <400> SEQUENCE: 3  
 59 ggtgcatcga tgcagggggg 20  
 62 <210> SEQ ID NO: 4  
 63 <211> LENGTH: 10  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Leishmani major  
 67 <400> SEQUENCE: 4  
 69 Glu Ala Glu Glu Ala Ala Arg Leu Gln Ala

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70 1          5          10
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 25
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: MUC1 repeat consensus sequence
81 <400> SEQUENCE: 5
83 Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala Gln Thr Ala His Gly Val
84 1          5          10          15
87 Thr Ser Ala Pro Asp Glu Thr Ser Arg
88          20          25
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 12
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: MUC1 fragment
99 <400> SEQUENCE: 6
101 Pro Gly Ser Thr Ala Pro Pro Ala His Gly val Thr
102 1          5          10
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 9
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: MUC1 fragment
113 <400> SEQUENCE: 7
115 Thr Leu Ala Pro Ala Thr Glu Pro Ala
116 1          5
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: MUC1 fragment
127 <400> SEQUENCE: 8
129 Ala Leu Gly Ser Thr Ala Pro Pro Val
130 1          5
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 9
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: MUC1 fragment
141 <400> SEQUENCE: 9
143 Phe Leu Ser Phe His Ile Ser Asn Leu
144 1          5
147 <210> SEQ ID NO: 10

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148 <211> LENGTH: 20
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: MUC1 repeat
155 <400> SEQUENCE: 10
157 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
158 1          5          10          15
161 Pro Pro Ala His
162          20
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 28
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthesized peptide shown in Fig. 17 as intermediate
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (27)..(27)
177 <223> OTHER INFORMATION: Lys is modified by a palmitoyl group
179 <400> SEQUENCE: 11
181 Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Pro Asp Thr
182 1          5          10          15
185 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Lys Gly
186          20          25
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 12
191 <212> TYPE: PRT
192 <213> ORGANISM: Plasmodium falciparum
194 <400> SEQUENCE: 12
196 Asn Ala Asn Pro Asn Ala Asn Pro Asn Ala Asn Pro
197 1          5          10

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**VERIFICATION SUMMARY**

DATE: 04/19/2006

PATENT APPLICATION: US/10/502,085B

TIME: 12:39:42

Input Set : A:\updated sequence listing.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date